
EEX Kundeninformation 2006-08-10/A

Simulation für den geplanten Intraday-Stromhandel

Sehr geehrte Damen und Herren,

in Vorbereitung auf die Einführung des Intraday-Stromhandels wird EEX in Kürze mehrere geführte Simulationen durchführen.

Versand der Zugangsdaten für das Intraday-Handelssystem

Bitte nennen Sie uns den für den Intraday-Stromhandel an der EEX zuständigen Ansprechpartner in Ihrem Hause. Senden Sie uns dazu bitte formlos eine E-Mail mit dem Betreff „Ansprechpartner Intraday-Stromhandel“ an die E-Mail Adresse trading@eex.de. Teilen Sie uns in dieser E-Mail bitte den Namen, die Telefonnummer und die E-Mail Adresse des Ansprechpartners mit.

EEX wird dann in Kürze die Zugangsdaten (Benutzername, Passwort) für das Intraday-Stromhandelssystem an den genannten Ansprechpartner versenden.

Bitte beachten Sie, dass die Simulation auf dem Produktivsystem erfolgt und ab dem Produktionsstart getätigte Geschäfte zu entsprechenden Fahrplananmeldungen sowie Zahlungsvorgängen führen!

Nach Abschluss der Simulation behalten die Simulations-Zugangsdaten auch für den Produktionsstart ihre Gültigkeit. Der genaue Termin für den Produktionsstart wird rechtzeitig in einer gesonderten Kundeninformation bekannt gegeben.

Anmeldung am Intraday-Stromhandelssystem

Der Zugang zum Intraday-Stromhandelssystem erfolgt über folgende Internetadresse:

<https://www.intraday-power-trading.com>

Im Anmeldefenster geben Sie dann bitte den Benutzernamen und das Passwort ein. Bitte ändern Sie aus Sicherheitsgründen das Passwort nach dem ersten Login.

Simulationstermine

An folgenden Terminen steht das Intraday-Stromhandelssystem zur Simulation zur Verfügung:

- Dienstag, den 15. August; ganztägig
- Mittwoch, den 16. August; ab 9:00 Uhr
- Donnerstag, den 17. August; ganztägig
- Montag, den 21. August; ganztägig
- Dienstag, den 22. August; ab 9:00 Uhr
- Mittwoch, den 23. August; ganztägig

Um ausreichend Liquidität für einen Simulationshandel sicherzustellen, sollten die Simulationsaktivitäten innerhalb bestimmter Zeitfenster durchgeführt werden. EEX bittet deshalb darum, die Simulation an den oben genannten Tagen vorwiegend in den folgenden Zeiträumen zu nutzen:

- Vormittags: von 10:00 Uhr bis 11:00 Uhr
- Nachmittags: von 14:30 Uhr bis 16:30 Uhr

Hotline für den Intraday-Stromhandel

Für den Intraday-Stromhandel wird folgende Hotline eingerichtet: **+49 (0) 341/ 2156-234**

Bei Fragen zum Intraday-Stromhandel benutzen Sie bitte zukünftig diese Nummer. Dies gilt auch für Fragen zur bzw. während der Simulation.

Benutzerdokumentation

Dieser Kundeninformation ist die Benutzerdokumentation für das Intraday-Stromhandelssystem beigelegt.

Für Rückfragen stehen wir Ihnen gerne unter unserer Hotline +49 (0)341 2156 234 zur Verfügung.

Mit freundlichen Grüßen

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EEX Customer Information 2006-08-10/A

Simulation for planned Intraday Power Trading

Dear trading participants,

To prepare for the launch of Intraday Power Trading EEX will soon be offering several attended simulations.

Provision of access data for the Intraday Trading System

Please name the contact person responsible for Intraday Power Trading at EEX. Please send us an informal email with the subject "Contact Person Intraday Power Trading" to trading@eex.de. Please state the name, phone number, and email address of the contact person.

EEX will then provide the login data (username, password) for the Intraday Power Trading System to the contact person.

Please note that the production system will be used for simulation purposes. Trades concluded after the start of the production will lead to schedule notifications and payment transactions!

The login data for simulation will also be valid at the start of the production after the end of the simulation. The exact date of the start of the production will be announced in due time by means of a separate customer information.

Access to the Intraday Power Trading System

The Intraday Power Trading System can be accessed using the following internet address:

<https://www.intraday-power-trading.com>

Please enter your username and password into the login window. Please note that you are strongly encouraged to change your password at your first login to the trading system.

Simulation Dates

The Intraday Power Trading System will be available on the following dates:

- Tuesday, 15 August; available all day
- Wednesday, 16 August; from 9:00 am
- Thursday, 17 August; available all day
- Monday, 21 August; available all day
- Tuesday, 22 August; from 9:00 am
- Wednesday, 23 August; available all day

To guarantee sufficient liquidity for simulation, the simulation activities should mainly take place during a specific time frame. Therefore, EEX would like to ask you to use the simulation on above mentioned dates at the times stated below, if possible:

- Morning: from 10:00 am - 11:00 am
- Afternoon: from 02:30 pm - 04:30 am

Hotline for Intraday Power Trading

For Intraday Power Trading, the following hotline has been established: **+49 (0) 341/ 2156-234**

Please use this number in case of questions regarding Intraday Power Trading. If you have questions regarding/during the simulation, please do also use this hotline.

User Manual

Please find attached the User Manual for the Intraday Power Trading System.

If you have further questions, please do not hesitate to contact us on +49 (0)341 2156 234.

Kind regards

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Intraday Power Trading User Manual

Intraday-Power-Trading Benutzerdokumentation

Datum / Date **04.08.2006**

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1 Introduction

This document describes the services offered by the European Energy Exchange (EEX) for intraday power trading in the German market.

The introduction of an electronic system for intraday trading guarantees market participants improved standardized trade processing, which is user-oriented and less error-prone than trading over the phone.

2 The Intraday Trading Platform

2.1 Overview

In the first stage, the new trading platform provides for trading in the four German TSO areas (E.ON Netz GmbH, EnBW Transportnetze AG, RWE Transportnetz Strom GmbH and Vattenfall Europe Transmission GmbH). Future improvements will allow the use of this platform in other European TSO areas. The system offers continuous trading around-the-clock 24 hours a day, 7 days a week. It is available to all EEX Spot Market participants and other companies which have a clearing agreement with an EEX Spot Market clearing member and a balancing group in at least one of the four German TSO areas.

The new platform allows both anonymous trading and registration of pre-arranged trades up to 75 minutes before delivery on the same and the next day. In the first version of the system only whole hours, equivalent to the hours of the day, are tradable. At 6 p.m. on the current day, all hours of the following day can be traded.

The new trading platform provides market participants with the technical infrastructure for intraday trading. The entry of an order into the trading system is binding for the market participant. Trades will be generated by the matching of two orders – entered anonymously into the system. Furthermore pre-arranged trades can be registered for clearing. Once a trade has been generated or registered, the Clearinghouse of the EEX acts as central counterparty between buyer and seller. The Clearinghouse of the EEX takes over the counterparty risk and is responsible for the settlement of the financial and physical liabilities derived from the trade.

On the intraday power trading platform quantities are shown in MW and can be entered with one decimal digit. Power prices are displayed in Euro, can be entered with two decimal digits and can be negative.

2.2 Anonymous Trading

Anonymous trading is based on continuous trading with an open order-book. Orders without any execution restriction are either immediately (partially) executed or entered into the system order-book until they are deleted/modified by the trader. Not (fully) executed orders are deleted by the system at the end of trading of the concerned contract.

Orders are displayed anonymously for the whole market in the “Market Overview” window and “Orderbook Details” tab. Own orders are also visible in the trader’s “Own Orders” tab. Orders entered into the order-book have the status “active”. By setting the status of the order to “inactive”, it remains visible in the trader’s “Own Orders” tab but is taken out of the system’s open order-book and is therefore no longer displayed in the “Market Overview” window and “Orderbook Details” tab. An inactive order is not available for matching in the system order-book.

Orders entered into the system must have a price limit. Subject to the price restriction, a buy order entered into the system can match a sell order available in the system order-book and vice versa. The matching process for orders follows the price-time-priority mechanism. The order with the best

price will be executed first. If there are two or more orders with the same best price limit, the order with the oldest time stamp will be matched first.

2.3 Registration of Pre-arranged Trades

Pre-arranged trades (OTC-trades) can be registered via the Intraday Trading Platform. Such trades are visible to the market as soon as they are approved by the counterparty. Pre-arranged trades are displayed neither in the “Market Overview” window nor in the “Orderbook Details” tab. Both counterparties of a pre-arranged trade are able to see the pre-arranged transaction entered into the system in their “Prearranged Orders” tab. The transaction receiving trader (balancing group) can either accept or reject a pre-arranged trade entered by the counterparty.

3 The Online Functionality

3.1 Accessing the Trading System

The intraday power trading system operated by the European Energy Exchange (EEX) is a browser-based system and only requires an internet connection with a current browser. No application software needs to be installed locally on the trader's PC. This reduces the system maintenance effort for traders to a minimum without impacting on the overall system performance.

Several points have to be taken into account when starting the internet connection to the system back-end:

- The browser opens an encrypted SSL connection to the exchange back-end
- The internet target address to reach the application is: <https://www.intraday-power-trading.com>
- The speed of the internet connection should be at least 128 kb/sec.
- Supported browsers are Mozilla Firefox 1.0 and Internet Explorer 6.0 as well as more recent versions
- When using Internet Explorer 6.0, the ActiveX component must be activated. This can be done by opening the Internet Options window, choosing the "Security" tab and entering the system internet address as a trusted site into the browser.

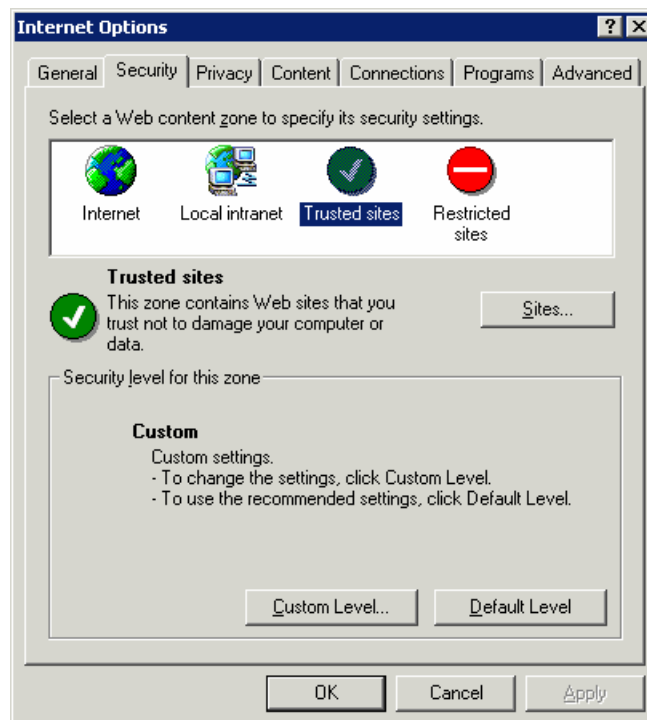


Fig. 3.1-1: Internet Options Window

- The user must also change the Custom Settings by clicking the “Custom Level” button. Finally, in the new “Security Settings” window the user needs to enable the download of signed and unsigned ActiveX controls.

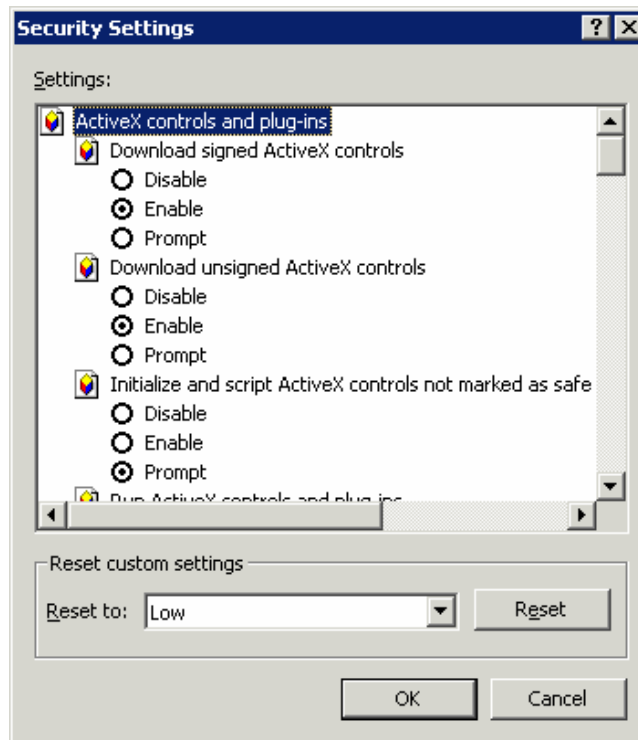


Fig. 3.1-2: Security Settings Window

3.2 System Login

In order to access the online trading system, the user has to open a supported browser connected to the internet and to enter the application internet address into the browser's address row. After pressing the Enter button the browser opens an SSL connection to the platform and a system authentication window pops up on the screen. In this window the user can enter his User Name and Password.

The User Name is assigned to the user by EEX and cannot be changed. The user will be asked to change his password the first time he logs into the application. The user will also be asked to change his password regularly once per month.

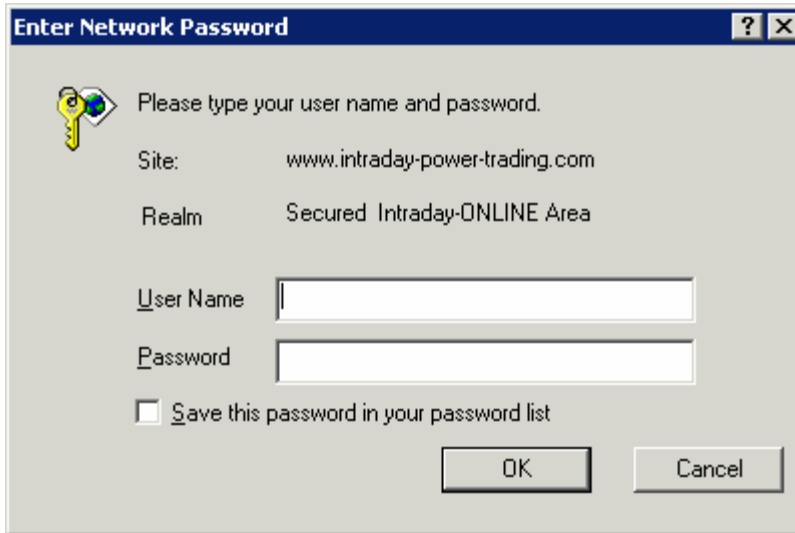


Fig. 3.2-1: Login Window

After successful authentication through entry of a valid User Name and Password, the system's Main Trading Window opens. If an invalid User Name or Password is entered, the user will receive an error message and be denied access to the trading platform.

For problems with the intraday application, please contact EEX Market Operations at:

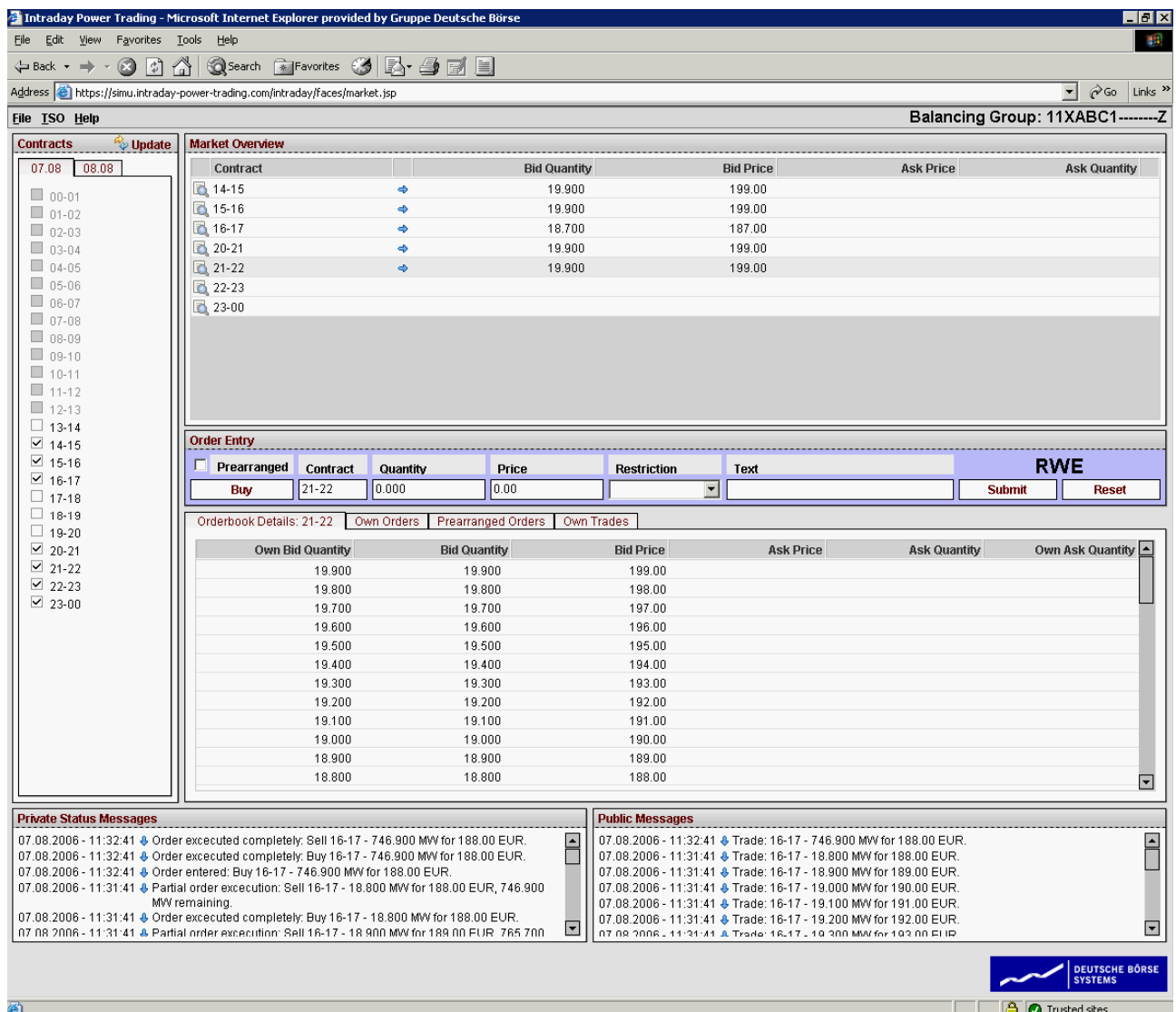
- Tel.: +49-(0)341 2156-234
- Fax: +49-(0)341 2156-111
- E-Mail: trading@eex.de

Users with a balancing group registered for different TSO areas can change the active TSO area using the TSO command of the Main Trading Window. The user can trade simultaneously in several TSO areas by opening the system in different browser windows, logging in separately and then changing the target TSO in the Main Trading Window.

3.3 The System's Main Trading Window

The system's Main Trading Window is divided into five different parts. The five areas of the intraday trading application main window are:

- The "Contracts" window,
- The "Market Overview" window,
- The "Order Entry" and "Prearranged Order Entry" windows,
- The multifunctional window containing the "Orderbook Details" tab, the "Own Orders" tab, the "Prearranged Orders" tab and the "Own Trades" tab
- The Online Messages windows. Online Messages windows are the "Private Status Messages" window and the "Public Messages" window



The screenshot shows the Intraday Power Trading interface within a Microsoft Internet Explorer browser window. The browser title is "Intraday Power Trading - Microsoft Internet Explorer provided by Gruppe Deutsche Börse". The address bar shows the URL: <https://simu.intraday-power-trading.com/intraday/faces/market.jsp>. The page has a menu bar with "File", "ISO", and "Help".

The main content area is divided into several sections:

- Contracts:** A list of contracts with checkboxes. The "07-08" and "08-08" tabs are selected. The "07-08" tab shows a list of contracts from 00-01 to 23-00. The "08-08" tab is also visible.
- Market Overview:** A table showing contract details. The table has columns: Contract, Bid Quantity, Bid Price, Ask Price, and Ask Quantity. The data is as follows:

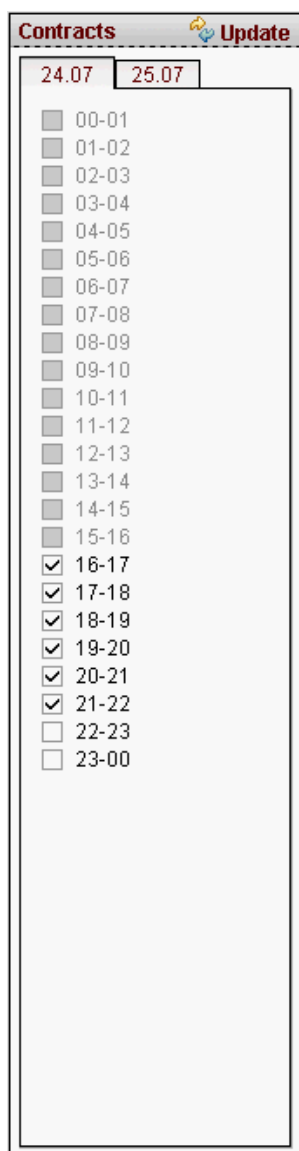
Contract	Bid Quantity	Bid Price	Ask Price	Ask Quantity
14-15	19.900	199.00		
15-16	19.900	199.00		
16-17	18.700	187.00		
20-21	19.900	199.00		
21-22	19.900	199.00		
22-23				
23-00				
- Order Entry:** A form for entering orders. It includes fields for "Prearranged", "Contract", "Quantity", "Price", "Restriction", and "Text". The "Contract" field is set to "21-22", "Quantity" is "0.000", and "Price" is "0.00". There are "Submit" and "Reset" buttons.
- Orderbook Details:** A tabbed interface with "Orderbook Details: 21-22", "Own Orders", "Prearranged Orders", and "Own Trades". The "Orderbook Details: 21-22" tab is active, showing a table of orders:

Own Bid Quantity	Bid Quantity	Bid Price	Ask Price	Ask Quantity	Own Ask Quantity
19.900	19.900	199.00			
19.800	19.800	198.00			
19.700	19.700	197.00			
19.600	19.600	196.00			
19.500	19.500	195.00			
19.400	19.400	194.00			
19.300	19.300	193.00			
19.200	19.200	192.00			
19.100	19.100	191.00			
19.000	19.000	190.00			
18.900	18.900	189.00			
18.800	18.800	188.00			
- Private Status Messages:** A list of messages showing order execution status. Examples include:
 - 07.08.2006 - 11:32:41 Order executed completely: Sell 16-17 - 746.900 MW for 188.00 EUR.
 - 07.08.2006 - 11:32:41 Order entered: Buy 16-17 - 746.900 MW for 188.00 EUR.
 - 07.08.2006 - 11:31:41 Partial order execution: Sell 16-17 - 18.800 MW for 188.00 EUR, 746.900 MW remaining.
 - 07.08.2006 - 11:31:41 Order executed completely: Buy 16-17 - 18.800 MW for 188.00 EUR.
 - 07.08.2006 - 11:31:41 Partial order execution: Sell 16-17 - 18.900 MW for 189.00 EUR, 765.700 MW remaining.
- Public Messages:** A list of messages showing trade status. Examples include:
 - 07.08.2006 - 11:32:41 Trade: 16-17 - 746.900 MW for 188.00 EUR.
 - 07.08.2006 - 11:31:41 Trade: 16-17 - 18.800 MW for 188.00 EUR.
 - 07.08.2006 - 11:31:41 Trade: 16-17 - 18.900 MW for 189.00 EUR.
 - 07.08.2006 - 11:31:41 Trade: 16-17 - 19.000 MW for 190.00 EUR.
 - 07.08.2006 - 11:31:41 Trade: 16-17 - 19.100 MW for 191.00 EUR.
 - 07.08.2006 - 11:31:41 Trade: 16-17 - 19.200 MW for 192.00 EUR.
 - 07.08.2006 - 11:31:41 Trade: 16-17 - 19.300 MW for 193.00 EUR.

The bottom right corner of the page features the "DEUTSCHE BÖRSE SYSTEMS" logo and a "Trusted sites" icon.

Fig. 3.3-1: Main Trading Window

3.3.1 “Contracts” Window



The “Contracts” window contains all hours of the current and the next calendar day. In the first version of the intraday trading application whole hours are tradable up to 75 minutes before the start of delivery. Today’s and tomorrow’s contracts are displayed in two different tabs each of them having the date formatted as dd.mm (day-of-month and month) on the top.

The naming of contracts is given by the delivery hour in a 24-hour format: from-until (e.g.: 13-14 for the hour 1 p.m. to 2 p.m. of the current day). Tomorrow’s contracts are also referenced by the delivery hour with a ‘T’ in front of them (e.g.: T14-15 for tomorrow’s hour 2 p.m. to 3 p.m.).

The user can select tradable contracts in the “Contracts” window. By pressing the Update button, the “Market Overview” window is updated and the selected contracts are displayed.

Fig. 3.3.1-1: Contracts Window

3.3.2 “Market Overview” Window

By selecting tradable contracts in the “Contracts” window and clicking the “Update” button, the selected contracts are displayed in the “Market Overview” window ordered by contract name. The contract name equals the delivery hour. Tomorrow’s contracts are identified with a ‘T’ in front of the delivery hour.

Market Overview					
Contract		Bid Quantity	Bid Price	Ask Price	Ask Quantity
16-17	→	60.000	65.00		
17-18	→	40.000	75.00		
18-19	→	50.000	58.00	60.00	50.000 →
19-20		100.000	80.00	83.00	75.000 →
20-21					
21-22					

Fig. 3.3.2-1: Market Overview Window

For each selected contract, the best bid and best ask of orders existing in the open order-book are displayed in the “Market Overview” window. If several orders are in the order-book with the same best bid or best ask price, the accumulated quantity is displayed in the respective contract row. A blue arrow in the “Market Overview” window indicates that own orders (own balancing group) are included in the overall displayed quantity. The blue arrow is only displayed if the own orders represent the best bid or best ask for the market.

Clicking on the contract order-book symbol () displays the order-book data (all available orders) for this contract in the “Orderbook Details” window.

Orderbook Details: 21-22					
Own Orders Prearranged Orders Own Trades					
Own Bid Quantity	Bid Quantity	Bid Price	Ask Price	Ask Quantity	Own Ask Quantity
25.000	25.000	70.00	75.00	25.000	25.000
	25.000	65.00			

Fig. 3.3.2-2: Orderbook Details Tab

Clicking on a contract name in the “Market Overview” window populates the “Order Entry” window with the selected contract name. Clicking on any best bid or best ask price or quantity in the “Market Overview” window populates the “Order Entry” window with all mandatory input data needed to match the selected order.

3.3.3 “Order Entry” Window and “Prearranged Order Entry” Window

Approximately in the middle of the screen the user finds a window called “Order Entry”. This window is used to enter orders into the trading system.

Order Entry						
<input type="checkbox"/> Prearranged	Contract	Quantity	Price	Restriction	Text	RWE
Buy	21-22	50.000	70			Submit Reset

Fig. 3.3.3-1: Order Entry

By selecting the “Prearranged” check box on the left hand side, the “Prearranged Order Entry” window opens. The “Prearranged Order Entry” window is used to enter pre-arranged trades into the system.

Prearranged Order Entry						
<input checked="" type="checkbox"/> Prearranged	Contract	Quantity	Price	For BG	Text	VET
Buy	15-17	50.000	150	11XRWETRADING		Submit Reset

Fig. 3.3.3-2: Pre-arranged Order Entry

When entering a buy order into the trading system, the application checks that the financial volume of the new order – calculated as product of the entered order quantity and price – does not exceed the remaining credit limit of the (buying) member. If the potential buy order exceeds the outstanding credit limit, the order will be rejected by the platform and a message will be sent to the user via the “Private Messages” window. The same credit limit check will be done when entering a pre-arranged trade.

All orders/trades entered into the system using the “Order Entry” or “Prearranged Order Entry” windows are entered for the active TSO area which is displayed on the right-hand side of the window. Using the TSO command at the top left-hand side of the system’s Main Trading Window, the user can change to another TSO area. The list displays all TSO areas to which the user is admitted.

3.3.3.1 “Order Entry” Window

The “Order Entry” window defaults to a blue background for buy orders. To switch between a buy and a sell order, the member can use the button located on the left-hand side of this window. If the “Buy” button is activated, the “Order Entry” window is blue and the user can enter a buy order. If the “Sell” button is activated, the “Order Entry” window is red and the user can enter a sell order. An order is submitted to the order-book by clicking on the “Submit” button on the right-hand side of the window after correctly providing all mandatory order entry data. By clicking the “Reset” button all data entered into the window is deleted.

Order Entry							RWE	
<input type="checkbox"/> Prearranged	Contract	Quantity	Price	Restriction	Text			
Buy	21-22	50.000	70			Submit	Reset	

Fig. 3.3.3.1-1: Buy Order Entry

Order Entry							RWE	
<input type="checkbox"/> Prearranged	Contract	Quantity	Price	Restriction	Text			
Sell	17-18	50.000	77.00			Submit	Reset	

Fig. 3.3.3.1-2: Sell Order Entry

Once the user has selected the TSO area for which he wishes to enter the order, he still has to complete the following mandatory fields:

- Contract: The contract name equals the delivery hour the user wants to trade. Orders may be only entered for a single delivery hour.
- Quantity: The order quantity in MW with one decimal number. Minimum order quantity is 0.1 MW. Maximum order quantity is 999.9 MW.
- Price: in Euro with two decimal numbers. Negative prices can also be entered. A negative price indicates that the buyer receives the ordered power and the seller pays the buyer for accepting delivery.

Additionally the user can fill out two more non-mandatory fields in this window:

- Restriction: Per default orders are entered into the trading system without any restriction. Subsequently they are either immediately executed or retained into the order-book. The user can also enter orders into the system with a restriction. Available restriction types are:
 1. IOC: "Immediate or Cancel" is an order requiring that all or part of the order be executed immediately after it is submitted. Any portions not executed immediately are automatically cancelled. Partial immediate executions are allowed. IOC orders are not entered into the order-book.
 2. FOK: "Fill or Kill" is an order which must immediately be executed in its entirety or, if this is not possible, totally canceled. Partial executions are not allowed. FOK orders are not entered into the order-book.
- Text: The user is allowed to enter remarks related to the order.

After completing all mandatory fields in the "Order Entry" window, the user can trigger the order entry by clicking the "Submit" button. When entering the order, order parameters are checked. If incorrect order parameters have been entered, the "Private Status Messages" window displays an error message. If all entered parameters are correct, the order runs into the order-book and the

“Private Status Messages” window informs the user about the order entry. If a corresponding order is in the order book, the new order is matched resulting in one or more trades. In this case the user receives a private message in his “Private Status Messages” window informing him about the contract, quantity and price of the new trade. Additionally, the system recalculates the buyer’s credit limit. In the case of a negative price, the seller’s credit limit is re-calculated. Furthermore the system displays a public message in the “Public Messages” window informing all market participants about the new trade contract, quantity and price.

3.3.3.2 “Prearranged Order Entry” Window

The entry of pre-arranged trades into the system can be initiated by both parties, the buyer and the seller. By selecting the “Prearranged” check box on the left-hand side of the “Order Entry” window, the “Prearranged Order Entry” window opens.

The “Prearranged Order Entry” window can be used to enter pre-arranged trades. The “Prearranged Order Entry” window has a blue background for the buy side of the trade and a red background for the sell side of the trade. By using the button on the left hand side of this window, the user can switch between buy and sell.

Prearranged Order Entry						
<input checked="" type="checkbox"/> Prearranged	Contract	Quantity	Price	For BG	Text	VET
Buy	15-17	50.000	150	11XRWETRADING-		Submit Reset

Fig. 3.3.3.2-1: Pre-arranged Buy Side Entry

Prearranged Order Entry						
<input checked="" type="checkbox"/> Prearranged	Contract	Quantity	Price	For BG	Text	EnBW
Sell	18-19	60.0	75	11XABC2-----P		Submit Reset

Fig. 3.3.3.2-2: Pre-arranged Sell Side Entry

Once the user has selected the TSO area for which he wishes to enter the trade, he still has to complete the following mandatory fields:

- Contract: The contract name equals the delivery time frame the user wants to trade. Pre-arranged block trades can be entered for several consecutive hours; however, the block hours must belong to the same delivery date.
- Quantity: The order quantity in MWh with one decimal number. The minimum order quantity is 0.1 MW. The maximum order quantity is 999.9 MW.
- Price: in Euro with two decimal numbers. The intraday trading system accepts negative prices. A negative price indicates that the buyer receives the ordered power and the seller pays the buyer for accepting delivery.
- For BG (trade receiving balancing group): When entering a pre-arranged trade the user has to specify the counterparty using the provided drop down facility.

Additionally, the member can use the non-mandatory Text field for entering user-defined remarks.


After completing all mandatory fields in the “Prearranged Order Entry” window, the user can trigger the trade entry by clicking the “Submit” button. When entering the trade, trade parameters are checked. If the user enters incorrect trade parameters, the user receives an error message in the “Private Status Messages” window. If all entered parameters are correct the “Private Status Messages” window of the trade entering and trade receiving balancing groups informs both counterparties about the pre-arranged trade entered. The trade receiving balancing group can either accept or reject the pre-arranged trade. If the receiving trade balancing group accepts the trade registration, the trade is finalized and both counterparties receive a private message in the “Private Status Messages” window with contract, quantity and price information. The system makes sure that the financial volume of the new transaction does not exceed the buyer’s outstanding credit limit and also re-calculates the buyer’s credit limit. In the case of a negative price, the seller’s credit limit is also re-calculated. Furthermore a public message with contract and quantity information is displayed in the “Public Messages” window informing all market participants about the new trade.

If the trade receiving balancing group rejects the pre-arranged trade, the rejected trade is deleted from the system and a private message with trade rejection information is sent to both counterparties.

3.3.4 Multifunctional Window

The largest application window in the lower half of the screen contains four different tabs. Switching application tabs, the user can monitor the order-book for a selected contract, the own orders entered into the trading system, the pre-arranged trades either entered or received on the trading system and the own trades.

3.3.4.1 “Orderbook Details” Tab

The “Orderbook Details” tab displays all orders available in the system for a selected tradable contract. This window is opened by clicking the order-book symbol () for the desired contract in the “Market Overview” window. Available orders are sorted by price. If there are several orders with the same price, the quantity is added together and all orders are displayed in the same row with the total accumulated quantity.

Orderbook Details: 21-22					
Own Orders Prearranged Orders Own Trades					
Own Bid Quantity	Bid Quantity	Bid Price	Ask Price	Ask Quantity	Own Ask Quantity
25.000	25.000	70.00	75.00	25.000	25.000
	25.000	65.00			

Fig. 3.3.4.1-1: Orderbook Details Tab

3.3.4.2 "Own Orders" Tab

The "Own Orders" tab displays all not (fully) executed orders which exist in the order-book of the trading system and have been entered by the own balancing group. This window has the following columns:

- TSO,
- B/S (buy or sell),
- Contract,
- Quantity,
- Price,
- Order Number,
- Text,

The orders in the "Own Orders" window are sorted by order type (buy or sell) and then by contract name, i.e. by delivery date and time.

Orderbook Details Own Orders Prearranged Orders Own Trades						
TSO	B/S	Contract	Quantity	Price	Order No	Text
RWE	Buy	18-19	20.000	40.00	479	
RWE	Buy	18-19	45.000	58.00	509	
RWE	Sell	18-19	45.000	60.00	508	
RWE	Sell	19-20	75.000	83.00	510	

Fig. 3.3.4.2-1: Own Orders Tab

After selecting an order in the "Own Orders" tab this order can be de-activated (hibernated), activated, modified or deleted.

Modify Order

Once the user has selected an order in the “Own Orders” tab, it can be modified by pressing the “Modify Order” button at the top right side of the “Own Orders” tab. By doing so, order parameters are displayed in the “Order Modify” window, located in the middle of the user interface. The user can edit the order and change some or all of the following parameters:

- the delivery hour (contract name),
- the quantity,
- the price,
- the restriction and
- the text of the order.

The following parameters of an existing order cannot be modified:

- Buy/ Sell side
- the TSO area for which the order was entered and
- the originating balancing group.

Order Modify						
<input type="checkbox"/> Prearranged	Contract	Quantity	Price	Restriction	Text	VET
Buy	20-21	30.0	40.00	IOC	own order	Submit Reset

Fig. 3.3.4.2-2: Order Modify Window

All changes to the order parameters with the exception of the order text and a reduction of the trading quantity result in a deletion of the original order and submission of a new one into the system with a new time stamp and execution priority. After pressing the “Submit” button in the “Order Modify” window, entered parameters are checked. If the entered data is erroneous, an error message is displayed in the “Private Status Messages” window. If all entered parameters are correct, the order is entered into the system. After a successful order modification the user receives a message via the “Private Status Messages” window.

Delete Order

The user can delete a selected order by pressing the “Delete Order” button at the top right side of the “Own Orders” tab. After order deletion the user receives a confirmation about the successful deletion in the “Private Status Messages” window.

Import Orders

The order import functionality allows the user to upload a file containing prepared orders in csv format. The order import file must contain one row for each order record. Each order field in the import file must be separated by a semi-colon. Each individual order in the order import file must be delimited by a carriage return or new line character.

By clicking the Import button at the top right side of the “Own Orders” tab, the “Import Orders” file dialog is opened. The “Import Orders” file dialog can also be opened from the “File” command at the top of the Main Trading Window. The dialog window is used to browse for the import file.

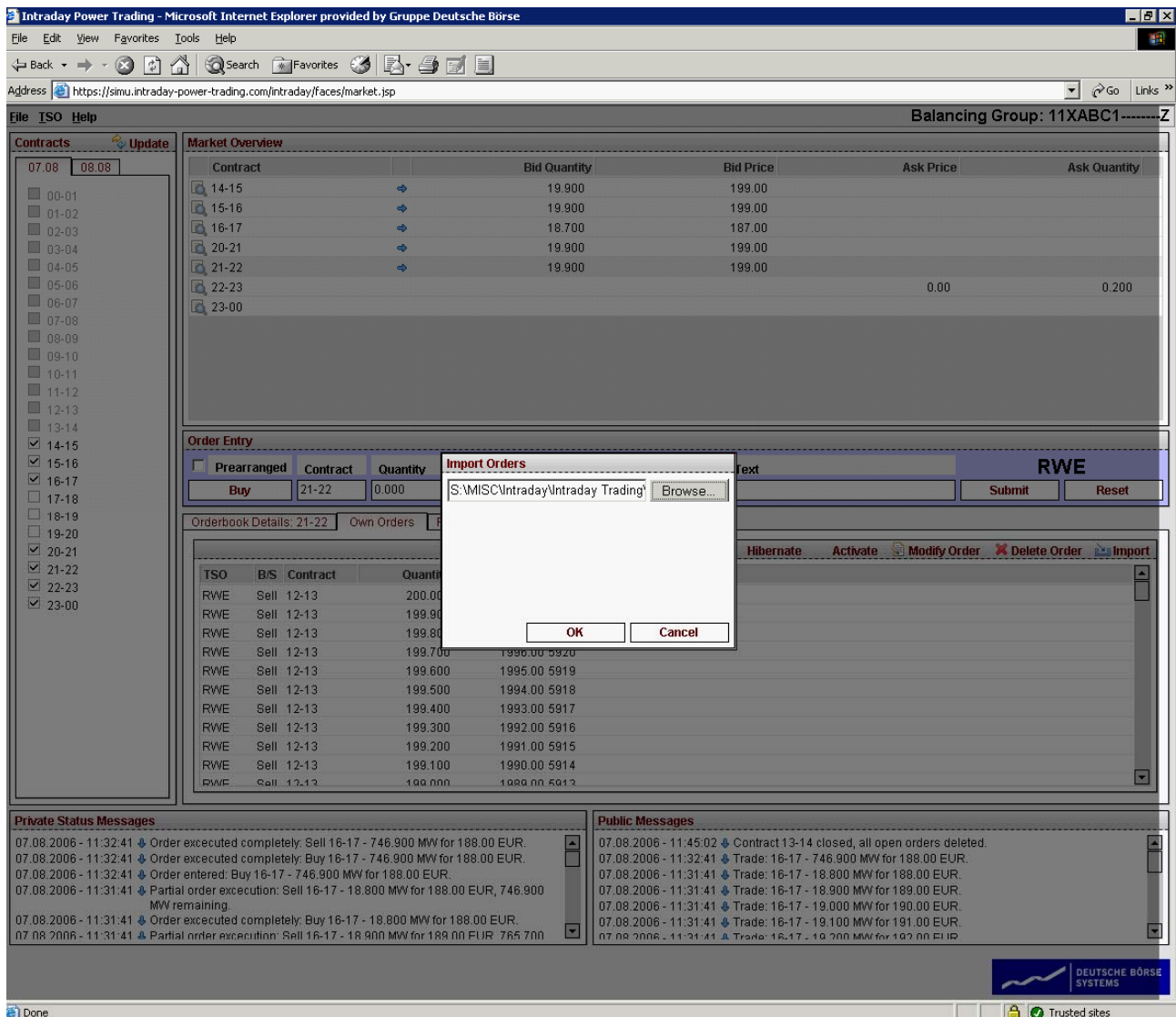


Fig. 3.3.4.2-3: Import Orders File Dialog

The import order file must have a csv format with semicolon separated fields. The file must have the following data structure:

Fieldname	Format	Remark
tsoCode	CHAR(16)	EIC indicating TSO
tradeTypeCd	CHAR(1)	O = Open Order, P = Pre-arranged
transactionTypeCd	CHAR(1)	B=Buy, S=Sell
contractId	CHAR(7)	Contract Identifier
tradMtchQtyMw	Float	Trade quantity in MW. Minimum quantity = 0,1 MW maximum quantity = 999,9 MW
tradMtchPrice	Float	Trade price in €, maximum price = 999.999,99 €
ordrEntryBlcGrpCodBuy	CHAR(16)	Target EIC of trader (for pre-arranged orders only)
importText	CHAR(250)	

Tab. 3.3.4.2-1: Import Data Structure

An example of a valid import file record is as follows:

10YDE-XYZNET---I;O;S;T22-23;50.0;59.00;;

An order import file may contain orders and pre-arranged trades.

For every imported order/ pre-arranged trade an entry confirmation message is displayed in the user's "Private Status Messages" window.

If the file does not have the correct data structure and format, the import procedure stops and an error message ("Upload error!") is displayed in the "Private Status Messages" window.

De-activate Order

The user can de-activate an active order selected in the “Own Orders” tab by pressing the “Hibernate Order” button at the top right side of the “Own Orders” tab.

By de-activating an active order, the order is removed from the open order-book and therefore from the “Market Overview” window and “Contract Details” tab. An inactive order is no longer available for matching with other orders.

In the “Own Orders” tab, inactive orders are displayed in a grey font. These orders can be modified, deleted and re-activated.

Orderbook Details Own Orders Prearranged Orders Own Trades							Hibernate Activate Modify Order Delete Order Import	
TSO	B/S	Contract	Quantity	Price	Order No	Text		
VET	Sell	20-21	5.000	50.00	541	t		
VET	Buy	20-21	3.000	30.00	543	t		
VET	Buy	19-20	784.658	70.00	563	t		
VET	Buy	20-21	30.000	40.00	601	own order		
VET	Buy	19-20	20.000	60.00	533	t		

Fig. 3.3.4.2-4: Own Orders Tab with some inactive orders

Activate Order

The user can activate an inactive order selected in the “Own Orders” tab by pressing the “Activate Order” button at the top right side of the “Own Orders” tab.

By activating an inactive order, this order is entered into the system order-book with a new time stamp and matched against previously entered orders. If no trade comes about, the activated order remains in the order-book and gets displayed in the “Market Overview” window and “Orderbook Details” tab of the system.

After an inactive order has been activated, it is displayed in the “Own Orders” tab in the normal black font.

3.3.4.3 “Prearranged Orders” Tab

The “Prearranged Orders” tab displays all not yet accepted pre-arranged trades in the trading system for which either the originating or the receiving balancing group is equivalent to the own balancing group of the user.

Orderbook Details Own Orders Prearranged Orders Own Trades									
<input checked="" type="checkbox"/> Accept Order <input checked="" type="checkbox"/> Reject Order <input checked="" type="checkbox"/> Modify Order <input checked="" type="checkbox"/> Delete Order <input checked="" type="checkbox"/> Import									
TSO	Offer.BG	B/S	Contract	Quantity	Price	Order No	Receiv.BG	Text	
RWE	11XABC1-----Z	Buy	13-14	100.000	100.00	849	11XABC2-----P		

Fig. 3.3.4.3-1: Prearranged Orders Tab

This window has the following columns:

- TSO,
- Order Originating Balancing Group,
- B/S (buy or sell),
- Contract,
- Quantity,
- Price,
- Order Number,
- Order Receiving Balancing Group and
- Text

Pre-arranged Trades in the “Prearranged Orders” window are sorted by order type (buy or sell) and contract name, i.e. by delivery date and time, and then by price.

After selecting a pre-arranged trade in the “Prearranged Orders” window the trade can be:

- modified or deleted by the originator,
- accepted or rejected by the trade receiving balancing group. The receiving balancing group is not allowed to modify or delete a pre-arranged trade entered by another balancing group.

Accept Pre-arranged Trades

Only the trade receiving balancing group can accept a pre-arranged trade. To accept a pre-arranged trade, it first must be selected in the "Prearranged Orders" tab. A selected pre-arranged trade can be accepted by clicking the "Accept Order" button on the top right-hand side of the "Pre-arranged Orders" tab.

The system will verify that the available credit limit of the member accepting a pre-arranged trade is sufficient to cover the financial volume of the trade.

Reject Pre-arranged Trades

Only the trade receiving balancing group can reject a pre-arranged trade. To reject a pre-arranged trade, it first must be selected in the "Prearranged Orders" tab. A selected pre-arranged trade can be rejected by clicking the "Reject Order" button at the top right-hand side of the "Prearranged Orders" tab.

A rejected pre-arranged trade is deleted automatically from the system and both the originating and the receiving balancing groups are informed through a private message.

Modify Pre-arranged Trades

To modify a pre-arranged trade, the user must first select the trade in the "Prearranged Orders" tab followed by clicking on the "Modify Order" button. The selected trade must have an originating balancing group that is equivalent to the user's balancing group.

Pressing the "Modify Order" button on a valid trade displays the selected trade in the "Order Modify" window. The user can now edit the trade by changing any or all of the following parameters:

- delivery hour (contract name),
- quantity,
- price,
- text .

The following parameters of the order cannot be changed:

- B/S (buy or sell),
- TSO area (for which the trade was entered)
- balancing groups (originating or receiving).

Prearranged Order Modify							
<input checked="" type="checkbox"/> Prearranged	Contract	Quantity	Price	For BG	Text	EnBW	
Sell	18-19	60.000	75.00	11XABC2-----P		Submit	Reset

Fig. 3.3.4.2-2: Pre-arranged Order Modify Window

With the exception of the text, any change to the pre-arranged trade will cause a deletion of the original transaction and generation of a new trade identified by a new transaction number.

Pressing the Submit button in the “Prearranged Order Modify” window causes the trade parameters to be verified by the system. Should any of the parameters fail verification, an appropriate error message is displayed in the “Private Status Messages” window indicating the erroneous parameter. If all parameters pass verification, the new prearranged trade is entered into the system and both the originating and the receiving balancing group are informed about the change through a message in the “Private Status Messages” window

Delete Pre-arranged Order

To delete a pre-arranged trade, the user must first select a trade from the active “Prearranged Orders” tab, followed by clicking on the “Delete Order” button. The “Delete Order” button is located on the top right-hand side of the “Prearranged Orders” section. The trade which is selected for deletion must have an originating balancing group that is equivalent to the user’s balancing group.

By pressing the “Delete Order” button, the selected pre-arranged order is deleted from the system and the originating and receiving balancing groups get a deletion confirmation message in the “Private Status Messages” window.

Import Pre-arranged Orders

The order import functionality allows the user to load a csv formatted file into the system containing pre-arranged trades. Each field on the trade import file must be delimited by a semi-colon and each individual trade must be delimited by a carriage return or new line character.

Pressing the Import button located at the top right side of the “Prearranged Orders” tab dims the current window and opens the “Import Orders” file dialog. This new window provides the user with the option of browsing for the import file. Functionality for the remaining steps of import pre-arranged trades follows that described above for import orders. Please refer to the Order Import section in this document for further information.

3.3.4.4 “Own Trades” Tab

The “Own Trades” tab displays all user trades by balancing group. This includes all trades in which the user’s balancing group has been involved in the capacity of buyer or seller for today and tomorrow. Trades are ordered from the most recent to the oldest trade.

The “Own Trades” tab will produce a window with the following columns:

- TSO Area,
- B/S (Buy/Sell),
- Contract,
- Quantity,
- Price,

- Trade Number,
- Order Number,
- O/P - trade executed via the platform (O) or pre-arranged trades (P),
- Text,
- User-Id
- Trading Date.

Orderbook Details Own Orders Prearranged Orders Own Trades										
										Recall Trade Export
TSO	B/S	Contract	Quantity	Price	Trade No	Order No	...	Text	UserId	Date
VET	Buy	19-20	1200.000	70.00	202	563		O t	TRD002	25.07.-09:05:24
VET	Buy	19-20	1000.000	100.00	203	565		O t	TRD002	25.07.-09:10:24
VET	Sell	19-20	1000.000	100.00	203	566		O t	TRD002	25.07.-09:10:24
VET	Buy	19-20	0.342	65.00	199	563		O t	TRD002	25.07.-09:03:17
VET	Sell	19-20	0.342	65.00	199	537		O t	TRD002	25.07.-09:03:17
VET	Buy	19-20	5.000	68.00	200	563		O t	TRD002	25.07.-09:03:17
VET	Buy	19-20	10.000	70.00	201	563		O t	TRD002	25.07.-09:03:17
VET	Sell	19-20	10.000	70.00	201	532		O t	TRD002	25.07.-09:03:17
VET	Sell	19-20	5.000	62.00	196	561		O t	TRD002	25.07.-09:01:18
VET	Buy	19-20	1.342	64.00	197	562		O t	TRD002	25.07.-09:02:08

Fig. 3.3.4.4-1: Own Trades Tab

By selecting an open order-book trade (not pre-arranged trade) in the “Own Trades” tab the user has the option of recalling this trade. The “Own Trades” tab also gives the user the ability to export system trades into a csv file.

Recall Trade

With the “Own Trades” tab active, the user can trigger a recall request for a selected trade by pressing the “Recall Trade” button on the top right-hand side of the “Own Trades” tab. The recall request is then forwarded to Market Supervision EEX.

Recalls can only be requested for open system orders but is not available for pre-arranged trades.

The following occurs when the trading system operator (Market Supervision) accepts the trade recall:

- the selected trade is cancelled,
- the trading balancing groups (buyer and seller) receive a trade recall confirmation in their “Private Status Messages” window,
- a public message is displayed in the “Public Messages” window regarding the trade cancellation.

If the trading system operator rejects the trade recall the following happens:

- the trade remains on the system without change
- a message is posted in both trade parties' "Private Status Messages" window

Please refer to the EEX Rules and Regulations for the detailed business procedures and for information on recall fees.

Export Trades

The trade export functionality allows the user to export a csv formatted file containing own trades data from the trading system to the user's own system.

By pressing the Export button at the top right-hand side of the "Own Trades" tab, an "Export Trades" popup window opens over the dimmed background window presenting the user with a selection of data to export.

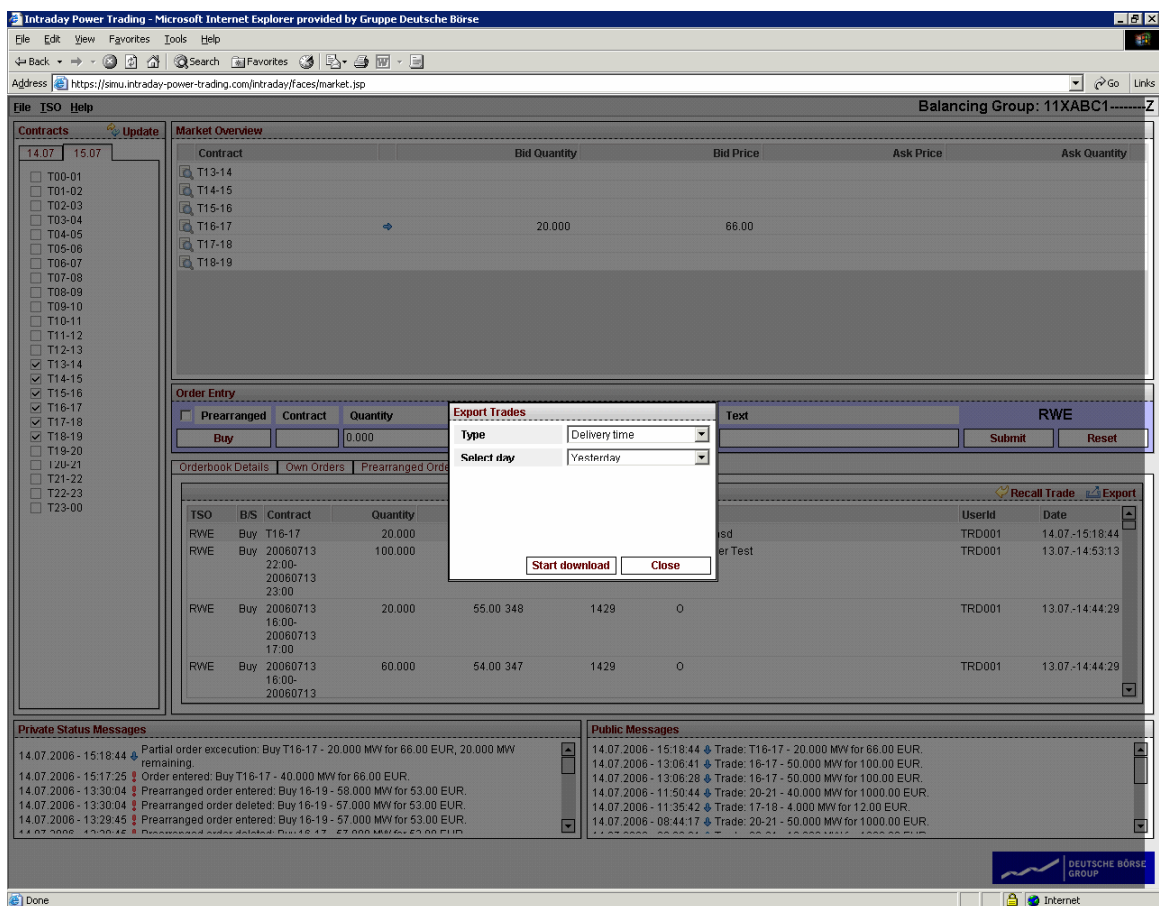


Fig. 3.3.4.4-2: Export Trades

In the "Export Trades" window the user has the option of selecting export 'Type', where data is based upon delivery date or trading date. In the lower drop down option, "Select Day", the user will be able to provide the date for the trade information request. Available dates in the "Select Day" drop down are "Tomorrow", "Today", "Yesterday" and the previous two days displayed in the format DD:MM:YYYY. Only those trades matching the selected day's trading time or delivery time will be written to the export file.

Using the “Type” drop down option the user is able to decide if he is looking for trading time or delivery time data. By selecting the “Trading Time” option, the system exports all trades – chronologically ordered – that have been closed on the selected time frame, independent of their delivery date. When the “Trading Time” option has been selected, the default name of the export file will be **“TS-YYYYMMDD.csv”**.

By selecting the “Delivery Time” option, the system exports all trades for contracts whose delivery takes place on the selected time frame. Exported trades will be chronologically ordered by delivery time. When the “Delivery Time” option has been selected, the default name of the export file will be **“FP-YYYYMMDD.csv”**.

Once the user clicks the “Start Download” button he can select the download location on the user’s own system for the export file and edit the default name proposed by the system.

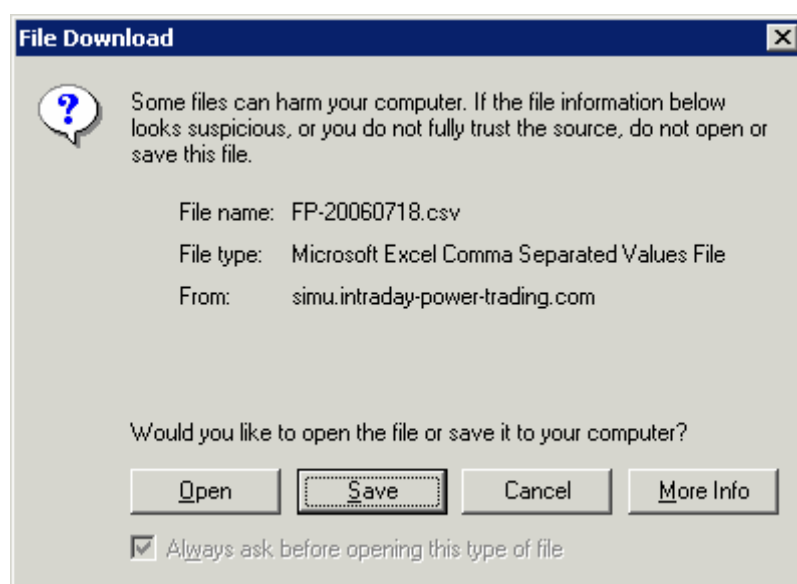


Fig. 3.3.4.4-3: File Download Dialog

If for the selected date no trade information is available for download, the “Private Status Messages” window displays the message “No Trades found!”

In the Export Trade Information file each record will correspond to one order. The exported trade data is semicolon separated and has the following structure:

Fieldname	Format	Remark
tsoCode	CHAR(16)	EIC indicating TSO
transactionType	CHAR(4)	User’s transaction part of the trade; Buy or Sell
contractId	CHAR(30)	Contract Identifier, format: YYYYMMDD HH:MM- YY-YMMDD HH:MM
origBalGrp	CHAR(16)	Original balancing group
tradMtchQtyMw	Float	Trade quantity in MW
tradMtchPrice	Float	Trade price in€, maximum price = 999

		999.99□
tradeNo	INTEGER	Trade number
orderNo	INTEGER	Order number
tradeTypeCd	CHAR(1)	0 = Open Order, P = Prearranged
userId	CHAR(6)	Target EIC of trader
matchTime	CHAR(23)	Timestamp of trade match in the format: YYYY-MM-DD HH:MM:SS:μμμ
tradeText	CHAR(250)	Text buy side

Tab. 3.3.4.4-1: Export File Data Structure

An example of a trade record from the export file looks like:

```
10YDE-XYZRWENET---I;Buy;20060711      12:00-20060711      13:00;      11XABC1-----Z;
15.000;55.00;267;1262;0;TRD001;2006-07-11 09:26:29.007;buy1
```

3.3.5 Online Messages Windows

The bottom portion of the Main Application Window is divided into two symmetrical windows, one to the left and the other to the right. These two windows display system generated online messages:

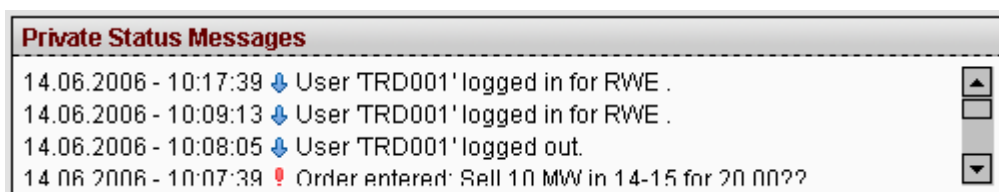
- The window on the left, “Private Status Messages”, shows private or customer-specific online messages
- The window on the right, “Public Messages”, shows market or non-customer-related messages

Messages in the Online Messages windows are displayed chronologically with the most recent messages located at the top of the window. The colour of the message denotes message priority:

- Red: high priority
- Yellow: medium priority
- Blue: low priority

3.3.5.1 “Private Status Messages” Window

The trading member receives messages related to his own balancing group, independent of the TSO area, in the “Private Status Messages” window.



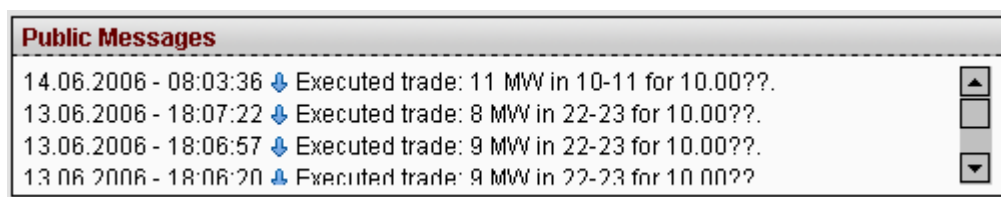
Tab. 3.3.5.1-1: Private Status Messages Window

The trading system will generate private messages for the following events:

- Login into the system to a valid TSO area
- Change of the active TSO area
- Order entry, order modification, order deletion
- Order activation / deactivation
- Accept / Reject of a pre-arranged trade
- Order execution with display of trade parameters
- Trade recall
- Consumption of the member's trading limit
- Order deletion due to insufficient trading limit

3.3.5.2 "Public Messages" Window

The trading system sends selective messages to all market participants. These messages will be displayed in the "Public Messages" window.



Tab. 3.3.5.2-1: Public Messages Window

The system generates public messages for the following events:

- Trade confirmation, publishing contract, quantity and price of the trade
- Trade recall
- Contract expiration